Amendment to the Claims:

In compliance with the Revised Amendment Format, a complete listing of claims is provided herein.

1.   (Currently Amended) A method for IDMA signal transmission, comprising the steps of:

(a) assigning a code to each user, wherein said code can be the same or different for different users and of the same or different rates for different users;

(b) encoding a source data sequence to create a coded source data sequence for each user using an encoder assigned to that user;

(c) interleaving each coded source data sequence so as to modify an order of said coded source data sequence to produce an interleaved data sequence, wherein interleaved data sequences from different users are distinguished by using different interleaving schemes;

(d) assigning a pre-calculated arrival power level to each user, wherein the arrival power level is different for at least some users; and

(e) transmitting an IDMA signal comprising the interleaved data sequence for each user using the assigned pre-calculated arrival power level for that user.

2.   (Previously Presented) The method as claimed in claim 1, wherein at least one of the codes comprises at least one of a hybrid form of narrow sense code, a repeat code and a spreading operation.

3.   (Currently Amended) A method for IDMA signal transmission, comprising:

(a) assigning a code to each user;

(b) encoding a source data sequence to create a coded source data sequence for each user using an encoder assigned to that user;

(c) interleaving each coded source data sequence so as to modify an order of said coded source data sequence to produce an interleaved data sequence, wherein interleaved data sequences from different users are distinguished by using different interleaving schemes;

(d) assigning a pre-calculated arrival power level to each user, wherein the arrival power level is different for at least some users; and

(e) transmitting an IDMA signal comprising the interleaved data sequence for each user using the assigned pre-calculated arrival power level for that user.

4.   (Previously Presented) The method as claimed in claim 3, wherein at least one of the codes comprises at least one of a hybrid form of narrow sense code, a repeat code and a spreading operation.

5.   (Previously Presented) The method as claimed 3, wherein the assigned codes are the same for at least some of the users.

6.   (Previously Presented) The method as claimed 3, wherein the assigned codes are different for at least some of the users.

7.   (Previously Presented) The method as claimed 3, wherein the assigned codes have the same rate for at least some of the users.

8.   (Previously Presented) The method as claimed 3, wherein the assigned codes have a different rate for at least some of the users.